EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	(speaker apparatus).ti. and nakamachi	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 16:03
S2	0	(speaker apparatus).ti. and nakamachi.in.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/23 18:06
S3	666	(speaker apparatus).ti.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/23 18:06
S4	1	(speaker apparatus).ti. and niro.in.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/23 18:12
S5	25	381/302,389.ccls. and vertical and horizontal and (L or left) and (R or right) and $5speaker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/23 19:26
S6	50	381/302,389,86;181/114.ccls. and vertical and horizontal and (L or left) and (R or right) and $5speaker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 09:49
S7	5	381/302,389,86;181/114.ccls. and vertical and horizontal and (L or left) and (R or right) and $5speaker and clockwise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/23 18:49

EAST Search History

S8	101	"381".clas. and vertical and horizontal and (L or left) and (R or right) and $5speaker and clockwise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/23 18:53
S9	41	"381".clas. and vertical and horizontal and (L or left) and (R or right) and $5speaker and clockwise and (car or vehicle or automobile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/23 18:53
S10	191	381/302,389,86;181/114.ccls. and (L or left) and (R or right) and (speaker or loudspeaker) and (center or centre)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:10
S11	190	381/302,389,86.ccls. and (L or left) and (R or right) and (speaker or loudspeaker) and (center or centre)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:10
S12	21	("4005268" | "4237343" | "4329544" | "4338581" | "4694497").PN. OR ("4953219"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 10:08
S13	24	("3170991" | "4121059" | "4149036" | "4329544" | "4622691" | "4866776" | "4953219" | "4980914" | "5040219" | "5040220" | "5068897" | "5109415" | "5129004").PN. OR ("5710818"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 11:47
S14	7	("4866776" | "4953219").PN. OR ("5068897").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 13:08
S15	278	381/302,389,86,97.ccls. and (L or left) and (R or right) and (speaker or loudspeaker) and (center or centre or middle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 14:47

EAST Search History

S16	2	("6584202").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/08/27 14:02
S17	2	("6104825").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/08/27 14:02
S18	0	("2004/0109575").URPN.	USPAT	ADJ	ON	2007/08/27 14:30
S19	434	381/302,389,86,386,160,303.ccls. and (L or left) and (R or right) and (speaker or loudspeaker) and (center or centre or middle)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 15:10
S20	255	381/302,389,86,386,160,303.ccls. and (L or left) and (R or right) and (speaker or loudspeaker) and (center or centre or middle) and (car or vehicle or auto or automobile)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 16:16
S21	33	("1866831" | "20030053644" | "20030091206" | "20040042627" | "4032725" | "4056165" | "4101159" | "4439643" | "4453047" | "4593784" | "4594729" | "4597470" | "4612530" | "4778134" | "5034996" | "5073944" | "5088574" | "5201896" | "5228090" | "5299766" | "5310149" | "5414229" | "5423500" | "5730409" | "5822023" | "5979590" | "6209939" | "6529610" | "6721431" | "D394660" | "D451495" | "D471433").PN. OR ("6830275"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 15:19
S22	11	("4178473").PN. OR ("4365113"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 15:34
S23	11	381/160.ccls. and (L or left) and (R or right) and (speaker or loudspeaker) and (center or centre or middle) and (car or vehicle or auto or automobile)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 15:35

EAST Search History

S24	13	381/160.ccls. and (L or left) and (R or right) and (speaker or loudspeaker) and (center or centre or middle) and (car or vehicle or auto or automobile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 15:36
S25	24	381/160.ccls. and (speaker or loudspeaker) and (car or vehicle or auto or automobile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 15:41
S26	2	("4837838").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/08/27 15:41
S27	2	("5901235").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/08/27 15:41
S28	274	381/302,389,86,160.ccls. and (L or left) and (R or right) and (speaker or loudspeaker) and (center or centre or middle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:04
S29	111	381/302,389,86,160.ccls. and (L or left) and (R or right) and (speaker or loudspeaker) and (center or centre or middle) and (axis or axes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 15:45
S30	16	("1585397" | "2388567" | "3147948" | "3448950" | "4753408" | "5024407" | "5161771" | "5190254" | "5190258" | "5577704" | "5872340").PN. OR ("6101261"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 15:55
S31	10	("4866776" | "4953219" | "5018205" | "5325435" | "5526431" | "5710818" | "5727067").PN. OR ("6477255").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 15:58

S32	33	("1866831" | "20030053644" | "20030091206" | "20040042627" | "4032725" | "4056165" | "4101159" | "4439643" | "4453047" | "4593784" | "4594729" | "4597470" | "4612530" | "4778134" | "5034996" | "5073944" | "5088574" | "5201896" | "5228090" | "5299766" | "5310149" | "5414229" | "5423500" | "5730409" | "5822023" | "5979590" | "6209939" | "6529610" | "6721431" | "D394660" | "D451495" | "D471433").PN. OR ("6830275"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 15:59
S33	49	("2440078" | "2820525" | "3326321" | "3371742" | "3424873" | "3500953" | "3540544" | "3765504" | "3816672" | "3964571" | "4122911" | "4200170" | "4225010" | "4251687" | "4256922" | "4348549" | "4410063" | "4475620" | "4574906" | "4701951" | "4882760" | "4907671" | "4984653" | "5031220" | "5115882" | "5131052" | "5193119" | "5220608" | "5258584" | "5446792" | "5471018" | "5485521" | "5525767" | "5943431" | "5988314" | "5995634" | "6009972" | "6031920" | "6118883" | "6603862" | "6625289").PN. OR ("6996243"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 16:05
S34	14934	(L or left) and (R or right) and (speaker or loudspeaker) and (center or centre or middle) and (car or vehicle or auto or automobile) and (audio or sound or acoustic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 16:18
S35	1532	(L or left) and (R or right) and (speaker or loudspeaker) and (center or centre or middle) and (car or vehicle or auto or automobile) and (audio or sound or acoustic) and (vertical near4 (axis or axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 16:19

EAST Search History

S36	1436	(L or left) and (R or right) and (speaker or loudspeaker) and (center or centre) and (car or vehicle or auto or automobile) and (audio or sound or acoustic) and (vertical near4 (axis or axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 16:19
S37	1390	(L or left) and (R or right) and (speaker or loudspeaker) and (center or centre) and (car or vehicle or auto or automobile) and (audio or sound or acoustic) and (vertical near3 (axis or axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 16:20
S38	1177	(L or left) and (R or right) and (speaker or loudspeaker) and (center or centre) and (car or vehicle or automobile) and (audio or sound or acoustic) and (vertical near3 (axis or axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 16:22
S39	816	(L or left) and (R or right) and (speaker or loudspeaker) and (center or centre) and (car or vehicle or automobile) and (audio or sound or acoustic) and (vertical near3 (axis or axes)) and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 16:28
S40	170	(L or left) and (R or right) and (speaker or loudspeaker) and (center or centre) and (car or vehicle or automobile) and (audio or sound or acoustic) and (vertical near3 (axis or axes)) and (@ad<"20030320" or @rlad<"20030320") and ((audio or sound).ab. or (speaker or loudspeaker).ab.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 16:31
S43	0	"381"".""302".ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 16:36
S44	108	"381/302".ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 18:50

EAST Search History

S45	73	"381/302".ccls. and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 16:58
S46	591	"381/86".ccls. and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 10:45
S47	143	"381/160".ccls. and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 18:18
S48	108	"381/389".ccls. and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 16:59
S49	11	("1972927" | "3925627" | "4492826").PN. OR ("4847907"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 17:05
S50	0	("2004/0047476").URPN.	USPAT	ADJ	ON	2007/08/27 17:18
S51	10	("4377793" | "5361305" | "5610909" | "5631899" | "5646991" | "5706344" | "5796819" | "5802184" | "5872852" | "6040761").PN. OR ("7171003"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 17:23
S52	15	("4348750" | "4594729" | "4620317" | "4625829" | "4769843" | "4836329").PN. OR ("5031220"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 17:55
S53	165	(speakers or loudspeakers) near3 dashboard	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 18:19
S54	161	((speakers or loudspeakers) near3 dashboard) and (car or vehicle or auto or automobile)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 18:19

S55	121	((speakers or loudspeakers) near3 dashboard) and (car or vehicle or auto or automobile)and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 18:37
S56	2	("5068897").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/08/27 18:37
S57	4	"381/302".ccls. and (L-R)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 18:50
S58	7	("4866776" | "4953219").PN. OR ("5068897").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 18:52
S59	32	("4164625" | "4490842" | "4509184" | "4514599" | "4521906" | "4524451" | "4574391" | "4594729").PN. OR ("4866776"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 19:02
S60	8	381/302,389,86,160.ccls. and (L or left) and (R or right) and (speaker or loudspeaker) and (center or centre or middle) and (-L-R)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:08
S61	152	381/302,389,86;181/114.ccls. and (L or left) and (R or right) and (speaker or loudspeaker) and (center or centre)and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:11
S62	152	381/302,389,86;181/114.ccls. and (L or left) and (R or right) and (speaker or loudspeaker) and (center or centre) and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:11
S63	1	("5546465").PN. OR ("6687378"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 19:24

S64	554	381/61.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 19:24
S65	133	381/61.ccls. and (car or vehicle or van or auto or automotove or automobile)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 19:25
S66	97	381/61.ccls. and (car or vehicle or van or auto or automotove or automobile) and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 19:26
S67	62	381/61.ccls. and (car or vehicle or van or auto or automotove or automobile) and (@ad<"20030320" or @rlad<"20030320") and (l or left) and (r or right)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 19:37
S68	10	381/89.ccls. and (car or vehicle or van or auto or automotove or automobile) and (@ad<"20030320" or @rlad<"20030320") and (l or left) and (r or right)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 19:39
S69	23	381/89.ccls. and (car or vehicle or van or auto or automotove or automobile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:43
S70	51	381/89.ccls. and (left) and right and (center or centre or middle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:41
S71	39	381/97.ccls. and (car or vehicle or van or auto or automotove or automobile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:45
S72	94	381/300.ccls. and (car or vehicle or van or auto or automotove or automobile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:46

S73	86	381/300.ccls. and (car or vehicle or automotove or automobile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:53
S74	148	381/300.ccls. and left and right and (center or middle or centre)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:49
S75	48	381/303.ccls. and left and right and (center or middle or centre)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:52
S76	15	381/303.ccls. and (car or vehicle or automotove or automobile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 19:53
S77	35	("4418243" | "4968154" | "5027403" | "5109416" | "5113447" | "5197100").PN. OR ("5333200"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 19:58
S78	1	kirk.in. and (loudspeaker system).ti.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/27 20:05
S79	773	(loudspeaker or speaker) and (car or automobile or vehicle) and (L or left) and (R or right) and ((center or centre or middle) near4 (speaker or loudspeaker))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 20:06
S80	355	(loudspeaker or speaker) and (car or automobile or vehicle) and (L or left) and (R or right) and ((center or centre or middle) near4 (speaker or loudspeaker)) and ((right or R) near4 (speaker or loudspeaker)) and ((left or L) near4 (speaker or loudspeaker))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 20:08

EAST Search History

S81	253	(loudspeaker or speaker) and (car or automobile or vehicle) and (L or left) and (R or right) and ((center or centre or middle) near4 (speaker or loudspeaker)) and ((right or R) near4 (speaker or loudspeaker)) and ((left or L) near4 (speaker or loudspeaker)) and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 20:11
S82	204	(loudspeaker or speaker) and (car or automobile or vehicle) and (L or left) and (R or right) and ((center or centre or middle) near2 (speaker or loudspeaker)) and ((right or R) near4 (speaker or loudspeaker)) and ((left or L) near4 (speaker or loudspeaker)) and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/27 20:11
S83	11	("4408095" | "5197100" | "5325435" | "5610986" | "5710818").PN. OR ("5854847"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 09:30
S84	38	("3094587" | "3397286" | "3944748" | "4230905").PN. OR ("4408095").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 09:36
S85	10	("3184550" | "3657480" | "4024344" | "4408095" | "4443889" | "4593405" | "4771466" | "4850021" | "5297212").PN. OR ("6438237").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 09:45
S86	12	("3745254" | "4408095" | "5412731").PN. OR ("6122381"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 09:48

EAST Search History

S87	81	("3229038" | "3246081" | "3249696" | "3665105" | "3697692" | "3725586" | "3745254" | "3757047" | "3761631" | "3772479" | "3849600" | "3885101" | "3892624" | "3925615" | "3943293" | "4024344" | "4063034" | "4069394" | "4118599" | "4139728" | "4192969" | "4204092" | "4209665" | "4218583" | "4219696" | "4237343" | "4303800" | "4308423" | "4308424" | "4309570" | "4332979" | "4349698" | "4355203" | "4356349" | "4393270" | "4394536" | "4408095" | "4479235" | "4489432" | "4495637" | "4497064" | "4503554" | "4567607" | "4569074" | "4589129" | "4594610" | "4594729" | "4594730" | "4622691" | "4648117" | "4696036" | "4703502" | "4748669" | "4856064" | "4866774" | "4866776" | "4888809" | "4953213" | "5033092" | "5046097" | "5105462" | "5146507" | "5208860" | "5228085" | "5251260" | "5255326" | "5325435" | "5371799" | "5533129" | "5572591").PN. OR ("5970152"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 09:48
S88	490	"381/86".ccls. and (@ad<"20030320" or @rlad<"20030320") and (loudspeaker or speaker)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 11:30
S89	33	("1866831" | "20030053644" | "20030091206" | "20040042627" | "4032725" | "4056165" | "4101159" | "4439643" | "4453047" | "4593784" | "4594729" | "4597470" | "4612530" | "4778134" | "5034996" | "5073944" | "5088574" | "5201896" | "5228090" | "5299766" | "5310149" | "5414229" | "5423500" | "5730409" | "5822023" | "5979590" | "6209939" | "6529610" | "6721431" | "D394660" | "D451495" | "D471433").PN. OR ("6830275"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 10:52

S90	15	("4441577" | "4553630").PN. OR ("4612530").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 10:53
S91	8	("4171776" | "4453047" | "4630303" | "5031220").PN. OR ("5285501").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 11:05
S92	11	("4441577").PN. OR ("4630303"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 11:07
S93	15	("4348750" | "4594729" | "4620317" | "4625829" | "4769843" | "4836329").PN. OR ("5031220"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 11:12
S94	16	("2539672" | "4178473" | "4182429" | "4365114").PN. OR ("4451928").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 11:22
S95	18	("3291353" | "3393766" | "3870210" | "3882962").PN. OR ("4085289").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 11:27
S96	102	"381/389".ccls. and (@ad<"20030320" or @rlad<"20030320") and (loudspeaker or speaker)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 11:50
S97	13	("4292679" | "4630303").PN. OR ("4917212").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 11:41
S98	19	("1907893" | "2235505" | "2426657" | "2763730" | "3506952" | "3753219").PN. OR ("4292679"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 11:43
S99	0	"381/24".ccls. and (@ad<"20030320" or @rlad<"20030320") and (loudspeaker or speaker)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 11:51
S100	97	"381/27".ccls. and (@ad<"20030320" or @rlad<"20030320") and (loudspeaker or speaker)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 11:55

EAST Search History

S10 1	70	"381/302".ccls. and (@ad<"20030320" or @rlad<"20030320") and (loudspeaker or speaker)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 12:01
S10 2	11	("4441577").PN. OR ("4630303"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 11:59
S10 3	212	"181/150".ccls. and (@ad<"20030320" or @rlad<"20030320") and (loudspeaker or speaker)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 12:16
S10 4	14	("4811406" | "5133428" | "5148490" | "5319164").PN. OR ("5960095").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 12:06
S10 5	1	"181/216".ccls. and (@ad<"20030320" or @rlad<"20030320") and (loudspeaker or speaker)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 12:19
S10 6	67	"181/130".ccls. and (@ad<"20030320" or @rlad<"20030320") and (loudspeaker or speaker)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 12:27
S10 7	1521	((loudspeaker or speaker) same (incline$3 or angle)) and (car or automobile or vehicle) and (front or dashboard)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 12:29
S10 8	840	((loudspeaker or speaker) same (incline$3 or angle)) and (car or automobile or vehicle) and (front or dashboard) and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/05 12:02
S10 9	747	((loudspeaker or speaker) same (incline$3 or angle)) and (car or automobile or vehicle) and (front or dashboard) and (@ad<"20030320" or @rlad<"20030320") and (sound or audio or acoustic or music)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 12:31

EAST Search History

S11 0	5	("2814354").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/08/28 13:43
S11 1	2	("4819269").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/08/28 13:47
S11 2	387	dashboard with speaker	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 13:48
S11 3	275	dashboard with speaker with (automobile or car or vehicle)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 13:49
S11 4	12	dashboard with speaker with (automobile or car or vehicle) same (tilt$4 or inclin$3 or angle)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 13:53
S11 5	16	(dashboard with (speaker or loudspeaker)) with (automobile or car or vehicle) same (tilt$4 or inclin$3 or angle)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 14:40
S11 6	2	("0471945").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/08/28 14:36
S11 7	2	("6471945").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/08/28 14:37

S11 8	760	((dashboard or front) with (speaker or loudspeaker)) and (automobile or car or vehicle) and ((loudspeaker or speaker) same (tilt$4 or inclin$3 or angle))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 14:41
S11 9	106	((dashboard or (front panel)) with (speaker or loudspeaker)) and (automobile or car or vehicle) and ((loudspeaker or speaker) same (tilt$4 or inclin$3 or angle))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 14:42
S12 0	18	("3291353" | "3393766" | "3870210" | "3882962").PN. OR ("4085289").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/28 14:51
S12 2	175	(speaker near5 housing) same (car or automobile)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/28 16:03
S12 3	1318	((loudspeaker or speaker) same (incline$3 or angle or tilt)) and (car or automobile or vehicle) and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/05 12:03
S12 4	368	((loudspeaker or speaker) same (incline$3 or angle or tilt)) and (car or automobile or vehicle) and (@ad<"20030320" or @rlad<"20030320") and "381".clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/05 12:49
S12 5	733	181/199.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/05 12:50
S12 6	544	181/199.ccls. and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/05 12:50
S12 7	544	181/199.ccls. and (@ad<"20030320" or @rlad<"20030320")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/05 12:51

EAST Search History

S12 8	257	181/199.ccls. and (@ad<"20030320" or @rlad<"20030320") and (inclin$3 or angle or tilt$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/05 13:07
S12 9	287	181/199.ccls. and (@ad<"20030320" or @rlad<"20030320") not (inclin$3 or angle or tilt$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/05 13:03
S13 0	142	381/300,336.ccls. and (@ad<"20030320" or @rlad<"20030320") and (inclin$3 or angle or tilt$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/05 13:08
S13 1	2	"6876748"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/06 09:38
S13 2	11	("4817162" | "5400405" | "5710818" | "5850453" | "5854847" | "5872851" | "5970153" | "6038323" | "6038325" | "6477255" | "6584202").PN. OR ("6876748"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/06 09:38
S13 3	30	("4908858" | "4933786" | "5210796" | "5216718" | "5333201" | "5412731" | "5524053" | "5572591" | "5592558" | "5638452" | "5657391" | "5680464").PN. OR ("5872851").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/06 09:50
S13 4	576	(speaker$2 or loudspeaker$2) and (I or left) and (r or right) and (car or vehicle or automobile or train or auto) and (subwoofer or (sub woofer) or (sub-woofer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/06 09:56